

**MCM 1 CLASS
MATERIAL CHECKS**

**X - DEMONSTRATE
O - OBSERVE**

DAMAGE CONTROL/MISCELLANEOUS

	1. SAFETY WALKTHROUGH (All Spaces)	
	2. HALON SYSTEMS	
	a. Halon Switches & Alarms (Q-1) - All Spaces	
	b. Vent Damper Operation	
	c. Halon Actuation (18M-3R) - Space(s) Indicated	
	d. Verify Halon Level/Bottle Pressure/PMS	
	e. CO2 Actuation Bottle PMS	
	f. Shielded Flex Hose Hydrostatic Test Tags	
	3. AFFF SYSTEMS	
	Note: If Qualitative and Quantitative Tests are within periodicity, and certified by the CO, performance of tests will not be required.	
	a. AFFF STA – STBD FWD	
	- Tank Level	
	- Leakage/Fittings Tight	
	- Valve Alignment/Labeling	
	- Firemain Pressure Gage	
	b. AFFF STA – PORT AFT	
	- Tank Level	
	- Leakage/Fittings Tight	
	- Valve Alignment/Labeling	
	- Firemain Pressure Gage	
	c. AFFF HOSE REEL STATIONS (AMR)	
	- Leakage/Fittings Tight	
	- Hose Hydrostatic Test Date	
	- Valve Alignment/Labeling	
	- Hose Reel Carriage Ease of Operation	
	- Anti-Crimp Strap/Tie Down	
	- Nozzle Operation	
	d. AFFF HOSE REEL STATIONS (MMR)	
	- Leakage/Fittings Tight	
	- Hose Hydrostatic Test Date	
	- Valve Alignment/Labeling	
	- Hose Reel Carriage Ease of Operation	
	- Anti-Crimp Strap/Tie Down	
	- Nozzle Operation	
	e. AFFF BILGE SPRINKLING	
	- Piping/Nozzle Integrity (All Main Spaces)	

	4. PORTABLE CO2	
	a. PMS Tag Properly Filled Out	
	b. Bottle Weight	
	c. Hose and Horn Integrity	
	d. Tamper Seal Integrity	
	5. PORTABLE AFFF	
	a. PMS Tag Properly Filled Out	
	b. Hose and Nozzle Integrity	
	6. PORTABLE PKP	
	a. PMS Tag Properly Filled Out	
	7. EEBDs	
	a. Unit Inspection	
	8. SEEDs	
	a. Unit Inspection	
	9. OBAs	
	a. Unit Inspection	
	10. GENERAL CHECKS (All Spaces)	
	a. Security Locks/Lead Wire Seals	
	b. Flammable Liquid Leaks	
	c. Flange Shields	
	d. Worn/Frayed Wiring	
	e. Machinery Foundation Preservation	
	f. Bilge and Space Cleanliness	
	g. Lagging	
	h. Watertight Fittings and other DC Closures	
	i. Stowage/Securing for Sea	
	j. Photoluminescent Markings	
	k. Heat Stress Contributors	
	11. INSTRUMENTATION (All Spaces)	
	a. Gage Identification/Calibration	
	b. Indicator Lights	
	c. Alarms	

CCS

	12. CONTROL STATION CHECKS	
	a. Bell/Data Logger Test (ISCS)	
	b. Console Self Test (both) (If Applicable)	
	c. Console Light Check (both) (If Applicable)	
	d. Console Alarm Check (All 3 Consoles)	
	e. Console 24vdc Backup Power Supply (UPS)	
	f. Pitch Checks	
	g. Start/Stop Fire Pumps	
	h. Open/Close Firemain Zebra Valve	
	i. Start/Stop/E-Stop SSDGs	
	j. Parallel SSDGs	
	k. Demonstrate SSDG Reverse Power Relays/ Demonstrate Dead Bus Pick-up	
	l. Demonstrate All Propulsion Interlocks	
	m. High Temp Alarms	
	n. Flooding Alarms	
	o. Sprinkler Alarms	
	p. Propulsion Control in Full Automatic	
	r. Ground Test	
	s. Load Shed Test	

AUXILIARY MACHINERY ROOM (AMR)

	14. VENTILATION	
	a. Local and Remote Start/Stop	
	b. Indicator Lights	
	c. Damper Operation	
	d. Cleanliness	
	15. NR 2 FIRE PUMP	
	a. Valve Alignment	
	b. Proper Rotation	
	c. Local and Remote Start/Stop	
	16. NR 1 MPAC	
	a. Sample and Test Lube Oil	
	b. Low Lube Oil Pressure Shutdown	
	c. High Temperature Shutdown	
	d. Auto Start/Stop	
	e. Operating Within Normal Parameters	
	17. ELECTRICAL SYSTEMS	
	a. Test Operate ABTs	
	b. Test Operate MBTs	
	c. Equipment Grounding Straps	
	18. REVERSE OSMOSIS UNIT/EVAP	
	a. Salinity Panel Operation	

	b. Pump Leak Off	
	c. Dump Valve Operation	
	d. Operating Within Normal Parameters	
	19. ASW COOLING SYSTEM	
	a. Pump Operation and Leak Off	
	20. MAIN DRAINAGE (AMR EDUCTOR)	
	a. Local/Remote Valve Operation	
	b. Valve Position Indicators	
	c. Eductor Operating Within Normal Parameters	
	21. NR 1A SSDG	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	n. Diesel Start Air Reducer	
	o. L/O Low Pressure Trip	
	p. Operating Within Normal Parameters	
	22. NR 1B SSDG	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	n. Diesel Start Air Reducer	
	o. L/O Low Pressure Trip	
	p. Operating Within Normal Parameters	

	22. MMGTG	
	a. MMGTG Blow in Door Check	
	b. Operate MMGTG	
	c. Remote Trip MMGTG	

MAIN MACHINERY ROOM

	23. VENTILATION	
	a. Local and Remote Start/Stop	
	b. Indicator Lights	
	c. Damper Operation	
	d. Cleanliness	
	24. NR 3 FIRE PUMP	
	a. Valve Alignment	
	b. Proper Rotation	
	c. Local and Remote Start/Stop	
	25. FUEL OIL PURIFIER	
	a. Operating Within Normal Parameters	
	b. Local and Remote Start/Emergency Stop	
	c. Leaks/Flange Shields	
	26. LUBE OIL PURIFIER	
	a. Operating Within Normal Parameters	
	b. Local and Remote Start/Emergency Stop	
	c. Leaks/Flange Shields	
	27. NR 2 MPAC	
	a. Sample and Test Lube Oil	
	b. Low Lube Oil Pressure Shutdown	
	c. High Temperature Shutdown	
	d. Auto Start/Stop	
	e. Operating Within Normal Parameters	
	28. ELECTRICAL SYSTEMS	
	a. Test Operate ABTs	
	b. Test Operate MBTs	
	c. Equipment Grounding Straps	
	29. ASW COOLING SYSTEM	
	a. Align Emergency ASW Reducer from Firemain	
	30. MAIN DRAINAGE (MMR EDUCTOR)	
	a. Local/Remote Valve Operation	
	b. Valve Position Indicators	
	c. Eductor Operating Within Normal Parameters	

	31. NR 1A MPDE	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	p. Diesel Start Air Reducer	
	r. L/O Low Pressure Trip	
	s. Operating Within Normal Parameters	
	32. NR 1B MPDE	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	p. Diesel Start Air Reducer	
	r. L/O Low Pressure Trip	
	s. Operating Within Normal Parameters	
	33. STBD MRG	
	a. Sample and Test Lube Oil	
	b. Lube Oil Low Pressure Alarm	
	c. Standby Lube Oil Pump Auto Start	
	d. Lube Oil Differential Pressure Alarm	
	e. Lube Oil Leaks and Flange Shields	
	f. Security Locks and Lead Wire Seals	
	g. Operating Within Normal Parameters	

	34. NR 2A MPDE	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	p. Diesel Start Air Reducer	
	r. L/O Low Pressure Trip	
	s. Operating Within Normal Parameters	
	35. NR 2B MPDE	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	p. Diesel Start Air Reducer	
	r. L/O Low Pressure Trip	
	s. Operating Within Normal Parameters	
	36. PORT MRG	
	a. Sample and Test Lube Oil	
	b. Lube Oil Low Pressure Alarm	
	c. Standby Lube Oil Pump Auto Start	
	d. Lube Oil Differential Pressure Alarm	
	e. Lube Oil Leaks and Flange Shields	
	f. Security Locks and Lead Wire Seals	
	g. Operating Within Normal Parameters	

	37. NR 2 SSDG	
	a. Sample and Test Lube Oil	
	b. Sample and Test Jacket Water	
	c. Jacket Water High Temp Alarm (Local)	
	d. Jacket Water High Temp Alarm (Remote)	
	e. L/O Filter High Differential Pressure Alarm	
	f. Low L/O Pressure Alarm (Local and Remote)	
	g. Remote Shutdown (Mechanical)	
	h. Fuel Rack and Governor Linkage Inspection	
	i. Operate Pre-Lube Pump	
	j. Low Start Air Alarm	
	k. ASW Emergency Cooling	
	l. Start Air Lubricator	
	m. Flammable Liquid Leaks and Flange Shields	
	n. Diesel Start Air Reducer	
	o. L/O Low Pressure Trip	
	p. Operating Within Normal Parameters	
	38. LINE SHAFT BEARINGS	
	a. Sample and Test Lube Oil	
	b. Inspect for Leaks/Bearing Data	
	39. LLPM's	
	a. Operating Within Normal Parameters	
	b. Clutch Control Operation (Remote/Local)	

FWD PUMP ROOM

	40. NR 1 FIRE PUMP	
	a. Valve Alignment	
	b. Proper Rotation	
	c. Local and Remote Start/Stop	
	41. MAIN DRAINAGE (AMR EDUCTOR)	
	a. Local/Remote Valve Operation	
	b. Valve Position Indicators	

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